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MONTANA STATE HIGHWAY COMMISSION
PLANNING SURVEY DIVISION

HELENA, MONTANA

STATE DOCUMENTS

NOV 29 1974

ANALYSIS OF CONTRACTS AWARDED
DURING CALENDAR YEAR 1966
(EXCLUSIVE OF MAINTENANCE CONTRACTS)

June 7, 1967

TABLE 1

COUNTY AND FINANCIAL DISTRICT	PRIMARY SYSTEM MILEAGE	PRIMARY SYSTEM COST	SECONDARY SYSTEM MILEAGE	SECONDARY SYSTEM COST	INTERSTATE SYSTEM MILEAGE	INTERSTATE SYSTEM COST	ALL SYSTEMS MILEAGE	ALL SYSTEMS COST
FLATHEAD			1.719	228,136			1.719	228,136
LAKE	5.018	778,789					5.018	778,789
F.D.# 1	5.018	778,789	1.719	228,136			6.737	1,006,925
BLAINE			3.549	422,367			3.549	422,367
GLACIER	12.954	1,296,613					12.954	1,296,613
TOOLE	.273	48,192					.273	48,192
F.D.# 2	13.227	1,344,805	3.549	422,367			16.776	1,767,172
PHILLIPS	26.969	1,923,829	10.518	999,620			37.487	2,923,449
F.D.# 3	26.969	1,923,829	10.518	999,620			37.487	2,923,449
DAWSON	6.808	704,008				1,559,034	6.808	2,263,042
PRAIRIE	1.561	145,541	9.214	207,278			10.775	352,819
WIBAUX			3.860	285,359			3.860	285,359
F.D.# 4	8.369	849,549	13.074	492,637		1,559,034	21.443	2,901,220
GARFIELD	10.222	770,576					10.222	770,576
F.D.# 5	10.222	770,576					10.222	770,576
CASCADE	6.291	843,382	2.621	60,875	5.623	5,229,473	14.535	6,133,730
JUDITH BASIN			9.710	231,179			9.710	231,179
PONDERA			6.055	406,387			6.055	406,387
F.D.# 6	6.291	843,382	18.386	698,441	5.623	5,229,473	30.300	6,771,296
BROADWATER			4.754	187,950			4.754	187,950
JEFFERSON				82,256				82,256
LEWIS & CLARK	2.466	630,183		26,974			2.466	657,157
F.D.# 7	2.466	630,183	4.754	297,180			7.220	927,363

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TABLE 1 (CONTINUED)

COUNTY AND FINANCIAL DISTRICT	PRIMARY SYSTEM MILEAGE	PRIMARY SYSTEM COST	SECONDARY SYSTEM MILEAGE	SECONDARY SYSTEM COST	INTERSTATE SYSTEM MILEAGE	INTERSTATE SYSTEM COST	ALL SYSTEMS MILEAGE	ALL SYSTEMS COST
MISSOULA	9.939	3,342,451				3,929	9.939	3,346,380
POWELL			7.756	433,473			7.756	433,473
F.D.# 8	9.939	3,342,451	7.756	433,473		3,929	17.695	3,779,853
BEAVERHEAD					5.540	978,771	5.540	978,771
MCCONE	7.513	971,646	2.592	698,968			10.105	1,670,614
F.D.# 9	7.513	971,646	2.592	698,968	5.540	978,771	15.645	2,649,385
GALLATIN			7.355	788,319		27,888	7.355	816,207
PARK						73,617		73,617
SWEETGRASS			8.843	221,043			8.843	221,043
WHEATLAND	11.285	1,087,959					11.285	1,087,959
F.D.# 10	11.285	1,087,959	16.198	1,009,362		101,505	27.483	2,198,826
BIG HORN			6.259	529,434			6.259	529,434
CARBON			7.464	485,018			7.464	485,018
GOLDEN VALLEY			4.692	394,921			4.692	394,921
TREASURE	.692	646,836			9.865	1,726,226	10.557	2,373,062
YELLOWSTONE		38,603	.829	184,411	6.527	1,595,505	7.356	1,818,519
F.D.# 11	.692	685,439	19.244	1,593,784	16.392	3,321,731	36.328	5,600,954
FALLON	6.442	679,049					6.442	679,049
ROSEBUD			8.131	155,012	14.015	2,723,764	22.146	2,878,776
F.D.# 12	6.442	679,049	8.131	155,012	14.015	2,723,764	28.588	3,557,825
TOTAL	108.433	13,907,657	105.921	7,028,980	41.570	13,918,207	255.924	34,854,844

MONTANA STATE HIGHWAY COMMISSION
PLANNING SURVEY DIVISION
HELENA

SUMMARY OF CONTRACT AWARDS BY SYSTEMS
DURING CALENDAR YEAR 1966
(EXCLUSIVE OF MAINTENANCE CONTRACTS)

June 7, 1967

TABLE 2

SYSTEM	MILEAGE	TOTAL COST	COST/MILE	MILES OF TRAFFIC	COST/ANNUAL VEHICLE MILE
INTERSTATE RURAL	40.409	13,655,473	337,931	10,160,140	1.3440
PRIMARY RURAL	101.586	12,963,799	127,614	18,818,305	.6888
SUBTOTAL RURAL	141.995	26,619,272	187,466	28,978,445	.9185
INTERSTATE MUNICIPAL	1.161	262,734	226,299	728,905	.3604
PRIMARY MUNICIPAL	6.847	943,858	137,849	1,909,315	.4943
SUBTOTAL MUNICIPAL	8.008	1,206,592	150,673	2,638,220	.4573
TOTAL PRIMARY	108.433	13,907,657	128,260	20,727,620	.6709
SECONDARY RURAL	94.551	5,785,340	61,187	3,930,685	1.4718
SECONDARY MUNICIPAL	11.370	1,243,640	109,379	436,905	2.8464
TOTAL SECONDARY	105.921	7,028,980	66,360	4,367,590	1.6093
TOTAL RURAL	236.546	32,404,612	136,990	32,909,130	.9846
TOTAL MUNICIPAL	19.378	2,450,232	126,444	3,075,125	.7967
GRAND TOTAL	255.924	34,854,844	136,192	35,984,255	.9686

TABLE 3

TYPE OF CONSTRUCTION	INTERSTATE SYSTEM MILES	INTERSTATE SYSTEM COST	INTERSTATE SYSTEM COST/MILE	PRIMARY SYSTEM MILES	PRIMARY SYSTEM COST	PRIMARY SYSTEM COST/MILE	SECONDARY SYSTEM MILES	SECONDARY SYSTEM COST	SECONDARY SYSTEM COST/MILE
RURAL									
NEW CONSTR.	40.409	13,655,473	337,931	101.586	12,963,799	127,614	94.551	5,785,340	61,187
TOTAL	40.409	13,655,473	337,931	101.586	12,963,799	127,614	94.551	5,785,340	61,187
MUNICIPAL									
NEW CONSTR.	1.161	262,734	226,299	6.433	729,569	113,410	11.370	1,243,640	109,379
NEW & RECONSTR.				.414	214,289	517,606			
TOTAL	1.161	262,734	226,299	6.847	943,858	137,849	11.370	1,243,640	109,379
ALL CONSTRUCTION									
NEW CONSTR.	41.570	13,918,207	334,813	108.019	13,693,368	126,768	105.921	7,028,980	66,360
NEW & RECONSTR.				.414	214,289	517,606			
GRAND TOTAL	41.570	13,918,207	334,813	108.433	13,907,657	128,260	105.921	7,028,980	66,360

SUMMARY OF CONTRACT AWARDS
DURING CALENDAR YEAR 1966
(EXCLUSIVE OF MAINTENANCE CONTRACTS)

June 7, 1967

TABLE 4

INTERSTATE SYSTEM

COST ITEM		GRAVEL	PLANT MIX	CONCRETE	MISC.	ALL SURFACES
GRADING	MILES		41.570			41.570
	COST		5,131,409		18,150	5,149,559
	COST/MILE		123,440			123,876
DRAINAGE	MILES		41.542			41.542
	COST		1,337,040		17,441	1,354,481
	COST/MILE		32,185			32,605
BASE	MILES		41.570			41.570
	COST		1,107,566			1,107,566
	COST/MILE		26,643			26,643
SURFACE	MILES		41.570			41.570
	COST		2,324,239			2,324,239
	COST/MILE		55,911			55,911
T.T. STRUC.	FEET					
	COST					
	COST/FOOT					
C.&S. STRUC.	FEET				4,596	4,596
	COST				3,390,894	3,390,894
	COST/FOOT				737	737
MISC.	COST		478,846		112,622	591,468
ALL ITEMS	MILES		41.570			41.570
	COST		10,379,100		3,539,107	13,918,207
	COST/MILE		249,677			334,813

SUMMARY OF CONTRACT AWARDS
DURING CALENDAR YEAR 1966
(EXCLUSIVE OF MAINTENANCE CONTRACTS)

June 7, 1967

TABLE 5

PRIMARY SYSTEM

COST ITEM		GRAVEL	PLANT MIX	CONCRETE	MISC.	ALL SURFACES
GRADING	MILES		108.433			108.433
	COST	810	3,582,343		3,809	3,586,962
	COST/MILE		33,037			33,079
DRAINAGE	MILES		108.433			108.433
	COST		1,272,501		1,025	1,273,526
	COST/MILE		11,735			11,744
BASE	MILES		108.433			108.433
	COST		3,018,614		3,465	3,022,079
	COST/MILE		27,838			27,870
SURFACE	MILES		108.433			108.433
	COST		4,085,521		3,850	4,089,371
	COST/MILE		37,677			37,713
T.T. STRUC.	FEET					
	COST					
	COST/FOOT					
C.&S. STRUC.	FEET				2,163	2,163
	COST				1,318,894	1,318,894
	COST/FOOT				609	609
MISC.	COST	28,058	531,189		57,578	616,825
ALL ITEMS	MILES		108.433			108.433
	COST	28,868	12,490,168		1,388,621	13,907,657
	COST/MILE		115,187			128,260

SUMMARY OF CONTRACT AWARDS
DURING CALENDAR YEAR 1966
(EXCLUSIVE OF MAINTENANACE CONTRACTS)

June 7, 1967

TABLE 6

SECONDARY SYSTEM

COST ITEM		GRAVEL	PLANT MIX	CONCRETE	MISC.	ALL SURFACES
GRADING	MILES	8.851	88.939			97.790
	COST	633,925	1,237,636			1,871,561
	COST/MILE	71,621	13,915			19,138
DRAINAGE	MILES	8.851	74.475			83.326
	COST	122,809	470,977			593,786
	COST/MILE	13,875	6,323			7,126
BASE	MILES	8.851	88.939			97.790
	COST	93,605	1,103,087			1,196,692
	COST/MILE	10,575	12,402			12,237
SURFACE	MILES	8.851	97.070			105.921
	COST	126,501	2,161,818			2,288,319
	COST/MILE	14,292	22,270			21,604
T.T. STRUC.	FEET					
	COST					
	COST/FOOT					
C.&S. STRUC.	FEET				1,834	1,834
	COST				875,961	875,961
	COST/FOOT				477	477
MISC.	COST	18,875	183,786			202,661
ALL ITEMS	MILES	8.851	97.070			105.921
	COST	995,715	5,157,304		875,961	7,028,980
	COST/MILE	112,497	53,129			66,360

SUMMARY OF CONTRACT AWARDS
DURING CALENDAR YEAR 1966
(EXCLUSIVE OF MAINTENANCE CONTRACTS)

TABLE 7

SYSTEM BY COST ITEM

June 7, 1967

	INTERSTATE SYSTEM				PRIMARY SYSTEM				SECONDARY SYSTEM				ALL SYSTEMS			
	Miles	Total Cost	% of Total	Cost/ Mile	Miles	Total Cost	% of Total	Cost/ Miles	Miles	Total Cost	% of Total	Cost/ Miles	Miles	Total Cost	% of Total	Cost/ Mile
Grading	41.570	5,149,559	36.99	123,876	108.433	3,586,962	25.79	33,079	97.790	1,671,561	26.62	19,138	247.793	10,608,082	30.43	42,810
Drainage	41.542	1,354,481	9.73	32,605	108.433	1,273,526	9.15	11,744	83.326	593,786	8.44	7,126	233.301	3,221,793	9.24	13,809
Base	41.570	1,107,566	7.95	26,643	108.433	3,022,079	21.72	27,870	97.790	1,196,692	17.02	12,237	247.793	5,326,337	15.28	21,495
Surface	41.570	2,324,239	16.69	55,911	108.433	4,089,371	29.40	37,713	105.921	2,288,314	32.55	21,604	255.924	8,701,929	24.96	34,002
T. T. Struc.		3,390,894	24.36			1,318,894	9.48			875,961	12.46			5,585,749	16.02	
C. & S. Struc.		591,468	4.24			616,825	4.43			202,661	2.88			1,410,954	4.04	
Misc																
Total	41.570	13,918,207	100.00	334,813	108.433	13,907,657	100.00	128,260	105.921	7,028,980	100.00	66,360	255.924	34,854,844	100.00	136,192

SUMMARY OF CONTRACT AWARDS
DURING CALENDAR YEAR 1966
(EXCLUSIVE OF MAINTENANCE CONTRACTS)

TABLE 8

SYSTEM BY TYPE OF STRUCTURE

BRIDGE TYPE	Code	INTERSTATE SYSTEM			PRIMARY SYSTEM			SECONDARY SYSTEM			ALL SYSTEMS		
		No. of Structures	Feet of Structures	Total Cost	No. of Structures	Feet of Structures	Total Cost	No. of Structures	Feet of Structures	Total Cost	No. of Structures	Feet of Structures	Total Cost
Concrete Slab	X020							1	84	35,293	1	84	35,293
Steel Girder	X031	1	2,013	1,559,034	1	704	389,079				2	2,717	1,948,113
Steel Concrete Slab	X040				1	65	33,926				1	65	33,926
Prestr. Conc. Grdr	X081	1	188	91,547	5	1,394	895,889	12	1,750	824,179	18	3,332	1,811,415
Concrete Slab	X220	1	78	69,384							1	78	69,384
Prestr. Conc. Grdr.	X481	3	607	392,983							3	607	392,983
Prestr. Conc. Undrrs	X781	3	469	170,181							3	469	170,181
Steel Girder	X931	2	739	897,808							2	739	897,808
Prestr. Conc. Grdr	X981	1	394	150,918							1	394	150,918
Prestr. Conc. Gmir		1	108	59,239							1	108	59,239
TOTAL		[illegible]	[illegible]	[illegible]	7	[illegible]	[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

TABLE 10

NO. LANES	MILES	COST	COST/MILE
INTERSTATE SYSTEM			
2	30.553	7,243,398	237,076
4	11.017	6,674,809	605,864
TOTAL	41.570	13,918,207	334,813
PRIMARY SYSTEM			
2	98.764	10,442,669	105,733
4	9.669	3,464,988	358,360
TOTAL	108.433	13,907,657	128,260
SECONDARY SYSTEM			
2	105.921	7,028,980	66,360
4			
TOTAL	105.921	7,028,980	66,360
ALL SYSTEMS			
2	235.238	24,715,047	105,064
4	20.686	10,139,797	490,176
TOTAL	255.924	34,854,844	136,192

SUMMARY OF CONTRACT AWARDS
DURING CALENDAR YEAR 1966
(EXCLUSIVE OF MAINTENANCE CONTRACTS)

TABLE 11

June 7, 1967

SYSTEM BY AVERAGE DAILY TRAFFIC

INTERSTATE SYSTEM

Average Daily Traffic	Mileage	Cost	Cost Per Mile
		$	$
00 - 999	27.868	10,989,858	394,354
1300 - 1399	6.891	1,262,655	183,232
1700 - 1799	6.527	1,491,172	228,462
5300 - 5399	.284	174,522	614,514
Total	41.570	$13,918,207	$334,813

SECONDARY SYSTEM

		$	$
00 - 99	69.618	4,222,036	60,645
100 - 199	27.700	2,075,385	74,923
200 - 299	6.884	503,423	73,129
1300 - 1399	1.719	228,136	132,714
Total	105.921	$7,028,980	$66,360

PRIMARY SYSTEM

Average Daily Traffic	Mileage	Cost	Cost Per Mile
		$	$
00 - 99	10.222	2,199,230	215,146
100 - 199	22.954	2,797,589	121,878
200 - 299	31.987	2,679,018	83,753
400 - 499	13.258	2,775,875	209,373
600 - 699	14.177	1,312,310	92,566
900 - 999	6.442	679,049	105,409
1200 - 1299	6.513	647,697	99,446
5200 - 5299	2.466	613,765	248,890
6100 - 6199	.414	203,124	490,637
Total	108.433	$13,907,657	$128,260